

इंटरनेट

मानक

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Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 7105-1 (1973): Extractor for Kuntscher Nail, Part 1:
Handle type [MHD 2: Orthopaedic Instruments, Implants and
Accessories]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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Indian Standard
**SPECIFICATION FOR
 EXTRACTOR FOR KUNTSCHER NAIL**

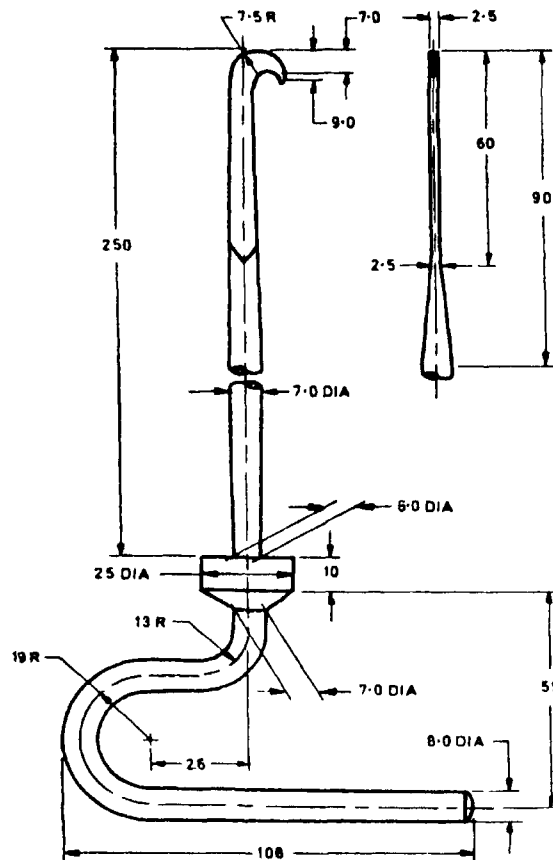
PART 1 HANDLE TYPE

(Incorporating Amendment No. 1)

1. Scope — Specifies dimensional and other requirements for handle type extractor for Kuntscher nail used in orthopaedic surgery.

2. Material — Shall be according to Designation 20Cr13 of IS : 6603-1972 'Specification for stainless steel bars and flats'.

3. Shape and Dimensions — As shown in Fig 1



All dimensions in millimetres.

FIG. 1 EXTRACTOR FOR KUNTSCHER NAIL

4. Heat Treatment — Shall be hardened and tempered to 400 to 450 HV.

5. Workmanship and Finish

5.1 The extractor shall be formed in one piece.

Adopted 20 December 1973

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Price Group 1

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 NEW DELHI 110002

IS : 7105 (Part 1) - 1973

5.2 The hook end shall be rounded as shown in Fig. 1.

5.3 All surfaces shall be free from pits, burrs, cracks and other surface contaminations.

5.4 It shall be passivated and polished bright.

6. Tests

6.1 Performance Test — The handle end shall be gripped in suitable vice and the hook end shall be pulled by applying a load of 50 kg. The extractor shall not be damaged after completion of the test.

6.2 Corrosion Resistance Test — Scrub the instrument with soap and warm water, rinse in hot water and then dip in 95 percent ethyl alcohol. Dry the instrument, immerse in copper sulphate solution at room temperature for 6 minutes and wash with fresh water or wet cotton wool. The copper sulphate solution shall be made up as follows:

Copper sulphate ($\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$)	4.0 g
Sulphuric acid (H_2SO_4) (sp gr 1.84)	10.0 g
Distilled water [see IS : 1070-1960 Specification for water, distilled quality (revised)]	90.0 ml

There shall be no red stains or spots on the instrument, but dulling of the polished surface may be permitted.

7. Marking — Shall be marked with the manufacturer's name or recognized trade-mark.

7.1 ISI Certification Marking — Details available with the Indian Standards Institution.

8. Packing — The extractor shall be packed as agreed to between the purchaser and the supplier.

EXPLANATORY NOTE

This edition 1.1 incorporates Amendment No. 1 (October 1988). Side bar indicates modification of the text as the result of incorporation of the amendment.